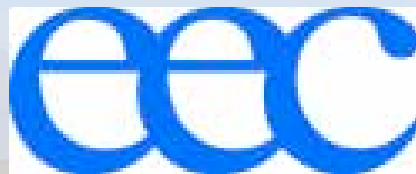




HOUGHTON CORRIDOR Roadway Widening Old Vail/Mary Ann Cleveland Way Intersection Improvements

**Open House
February 24, 2009**





Project Overview

Historically, the Houghton Corridor has served Pima County and the City of Tucson as a two-lane rural arterial connecting I-10 with the eastern portions of the community.

The rapidly developing southeast has increased the demand for access to the corridor. This Trend is expected to continue and even accelerate over the coming decades.

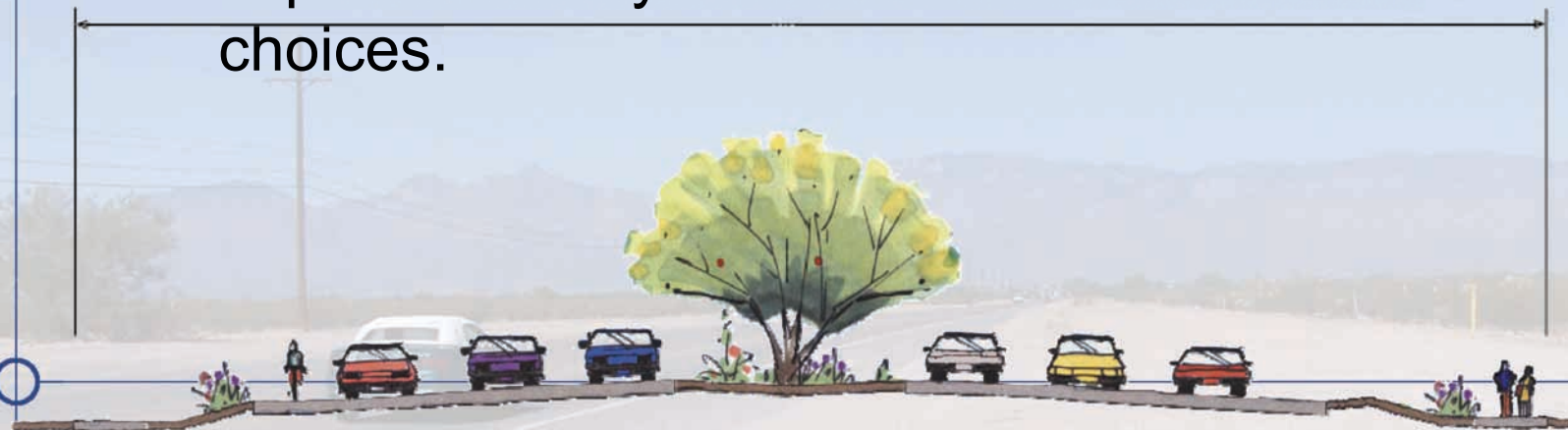
As early as 2001, several long range plans were initiated to address these concerns and make recommendations for future design and construction.





Houghton Corridor Planning

- The Houghton Area Master Plan (HAMP) is a master plan for future growth of the community south of Irvington
- ADOT's Houghton Road Corridor Study (HRC) looked specifically at the transportation issues along the entire corridor.
- The RTA authorized funding for transportation needs
 - Improved cross-town mobility, reduce congestion, improved safety and more alternative mode choices.





Corridor Design

- City of Tucson/Regional Transportation Authority (RTA) - **Concept Design**
 - Combined all the information from previous studies
 - Collected hundreds of public comments from 42 formal meetings (8 open houses, 14 CDRC meetings, 20 small group meetings)
 - Made design modifications to address many comments





Current Design Status

- Concept design for the corridor was divided into three segments:

Southern: I-10 to Valencia COMPLETE

Central: Valencia to 22nd Street COMPLETE

Northern: 22nd to Tanque Verde

22nd to Speedway **COMPLETE**

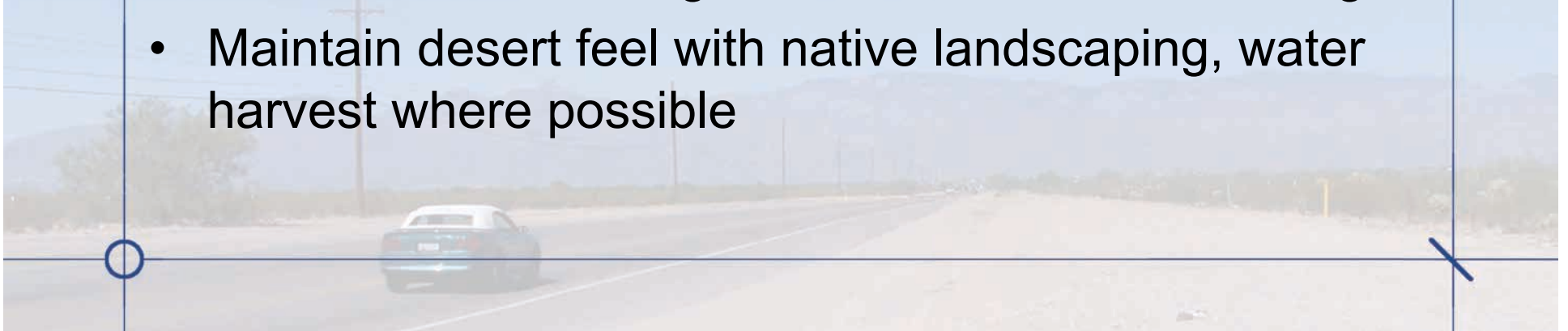
Speedway to Tanque Verde **IN PROGRESS**





What is Planned

- 6-lane roadway south of Speedway, 4-lanes north of Speedway
- Median for access control
- Dual path “greenway” for pedestrians and bikes
- Improved intersections
- Addition of a second bridge over the Pantano and Agua Caliente Washes, as well as the Tanque Verde Creek
- Improved drainage
- Curbed north of Irvington, uncurbed south of Irvington
- Maintain desert feel with native landscaping, water harvest where possible





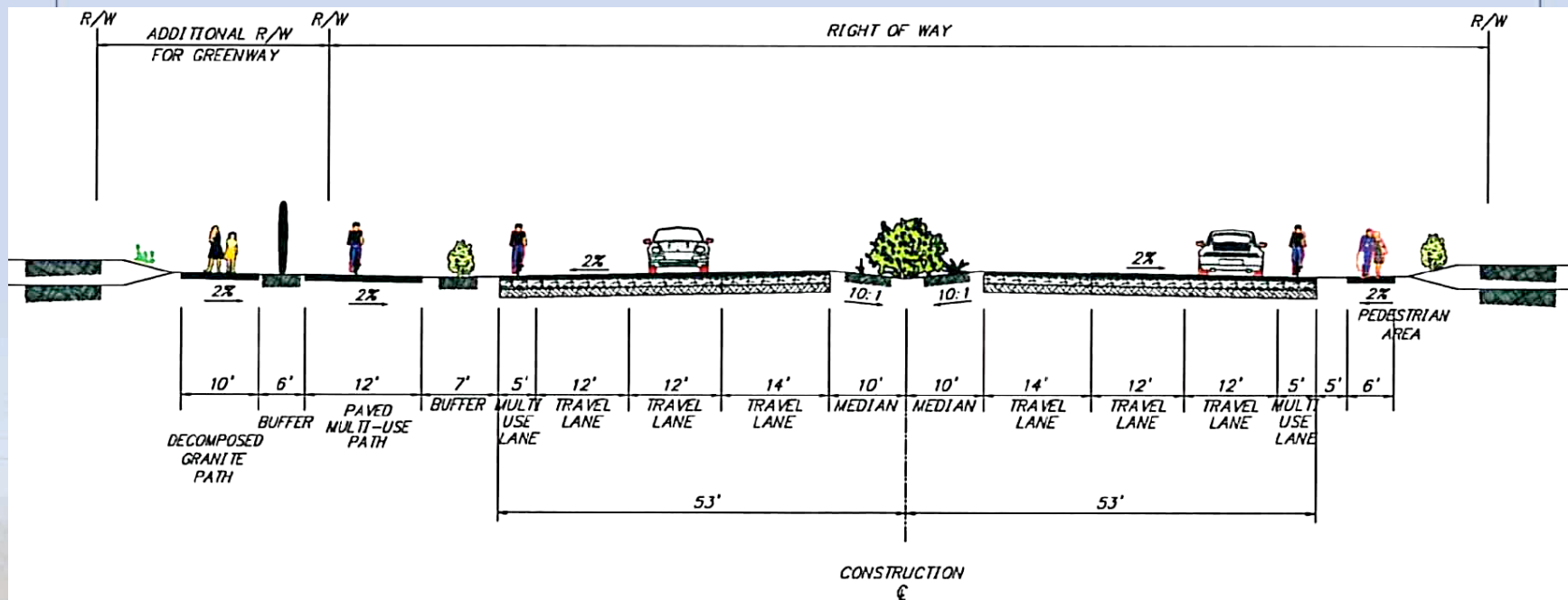
Cross Section





Cross Section

SOUTH OF IRVINGTON





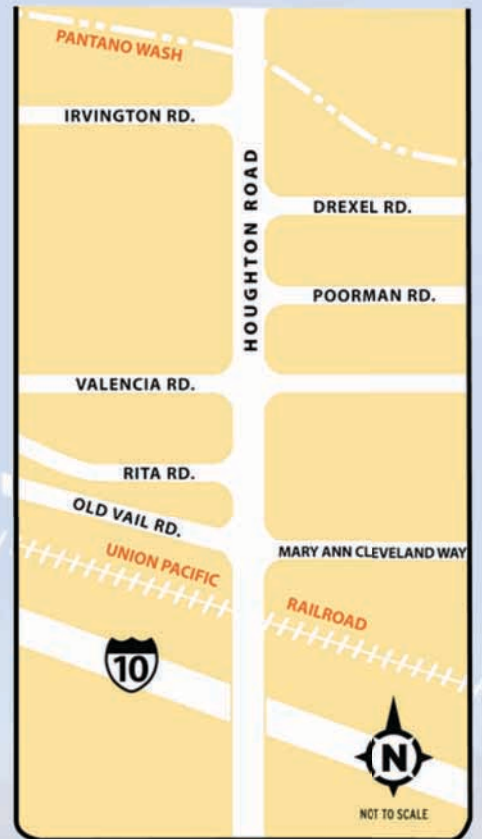
Implementation Plan

- The next phase of the project will take the design from concept to completion and then into construction.
- An implementation plan was developed to estimate when and where construction could begin. This effort coordinates the RTA funding availability over the next 15 years with critical need areas, and design challenges.



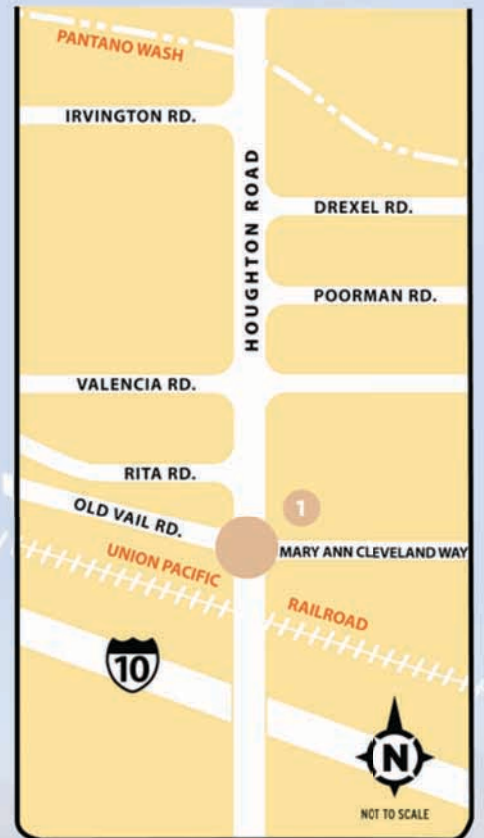


Implementation





Implementation



Project Description

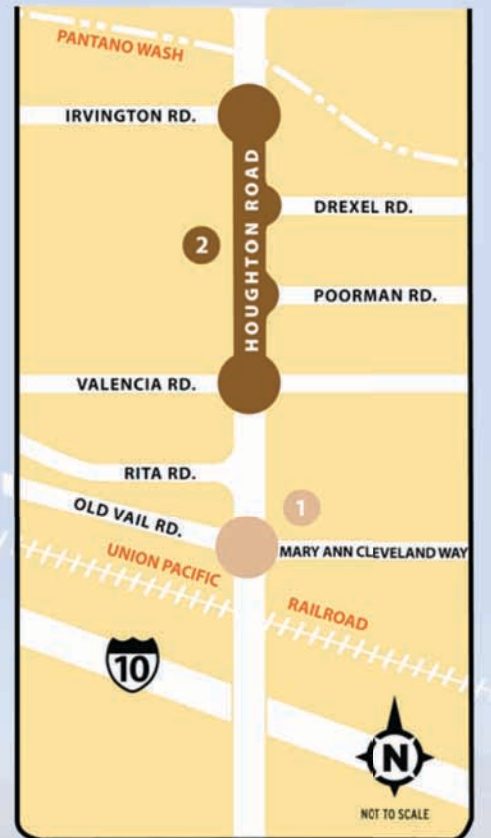
Anticipated
Construction
Start

- 1 Old Vail Road/Mary Ann Cleveland Way Intersection

2009



Implementation



Project Description

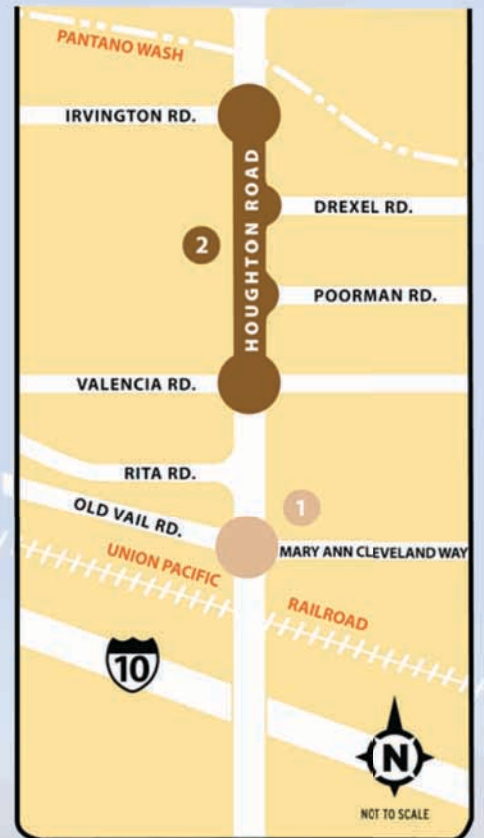
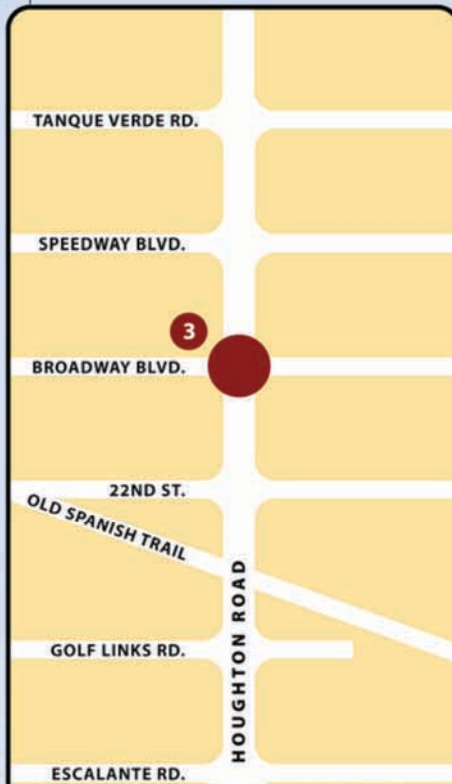
Anticipated
Construction
Start

- 1 Old Vail Road/Mary Ann Cleveland Way Intersection
- 2 Irvington Road to Valencia Road

2009
2010



Implementation



Project Description

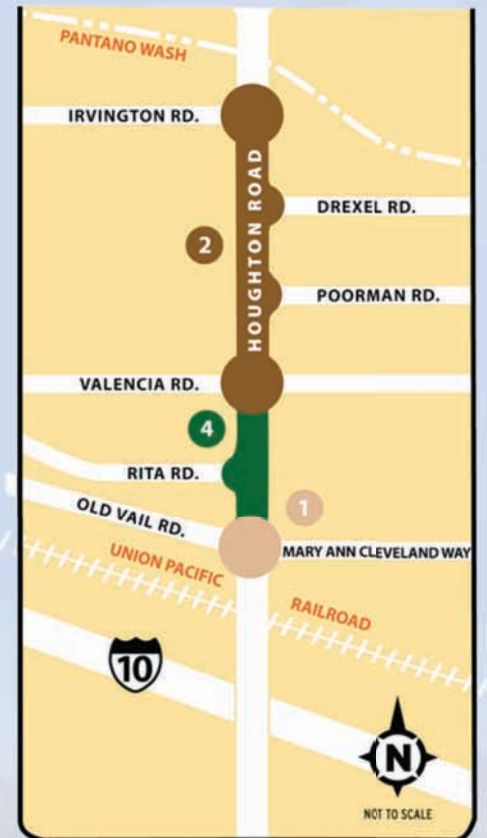
Anticipated
Construction
Start

- 1 Old Vail Road/Mary Ann Cleveland Way Intersection
- 2 Irvington Road to Valencia Road
- 3 Broadway Boulevard Intersection

2009
2010
2011



Implementation



Project Description

Anticipated
Construction
Start

- | | | |
|---|---------------------------------------------------|------|
| 1 | Old Vail Road/Mary Ann Cleveland Way Intersection | 2009 |
| 2 | Irvington Road to Valencia Road | 2010 |
| 3 | Broadway Boulevard Intersection | 2011 |
| 4 | Valencia Road to Mary Ann Cleveland Way | 2011 |

2009

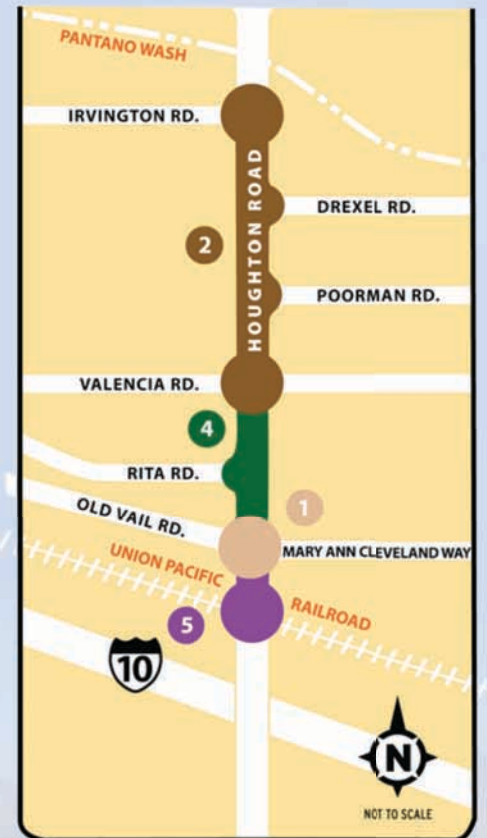
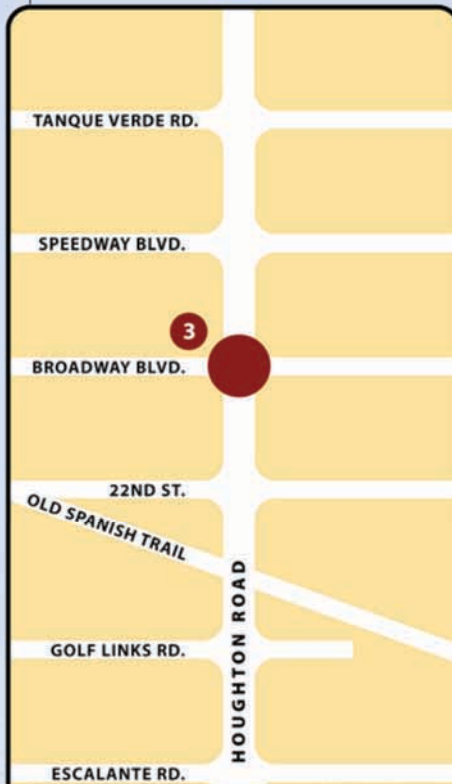
2010

2011

2011



Implementation

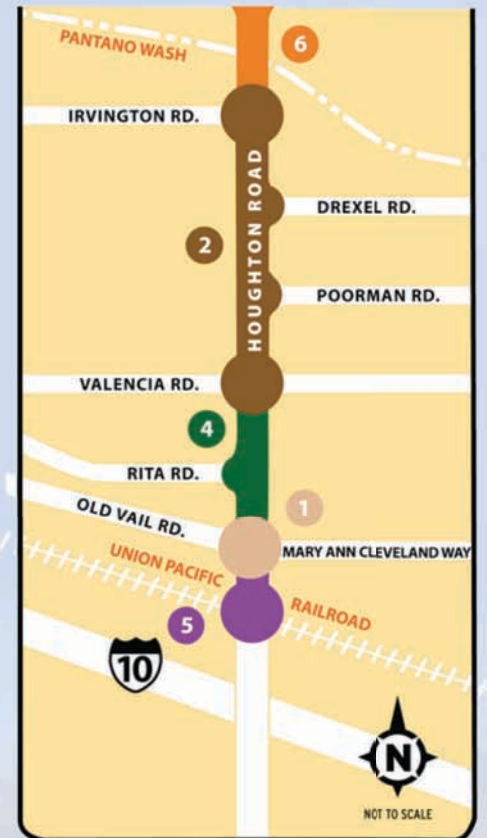
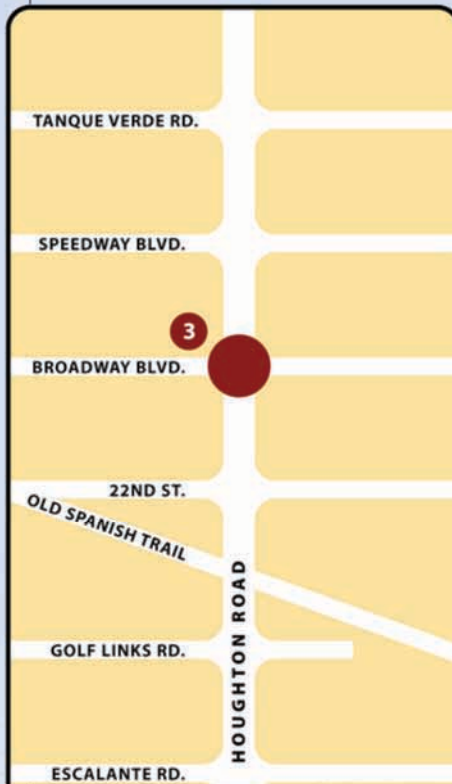


Project Description

	Anticipated Construction Start
1 Old Vail Road/Mary Ann Cleveland Way Intersection	2009
2 Irvington Road to Valencia Road	2010
3 Broadway Boulevard Intersection	2011
4 Valencia Road to Mary Ann Cleveland Way	2011
5 Union Pacific Railroad Bridge	2012



Implementation

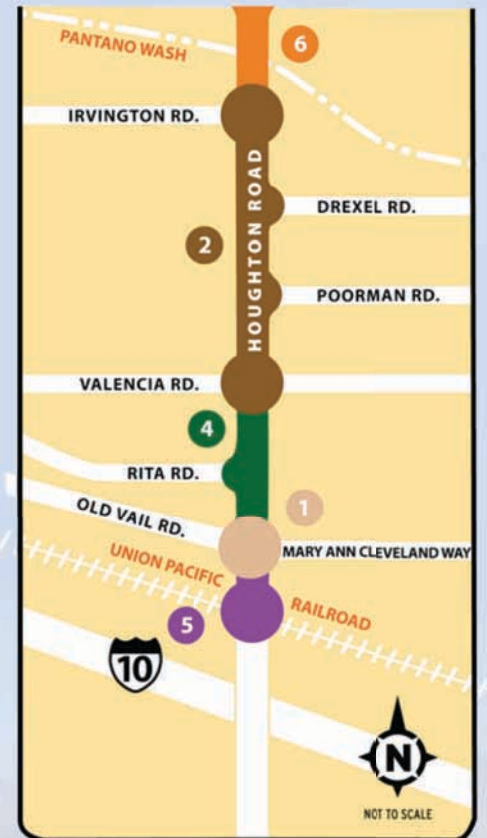


Project Description

	Anticipated Construction Start
1 Old Vail Road/Mary Ann Cleveland Way Intersection	2009
2 Irvington Road to Valencia Road	2010
3 Broadway Boulevard Intersection	2011
4 Valencia Road to Mary Ann Cleveland Way	2011
5 Union Pacific Railroad Bridge	2012
6 Escalante Road to Irvington Road	2013



Implementation



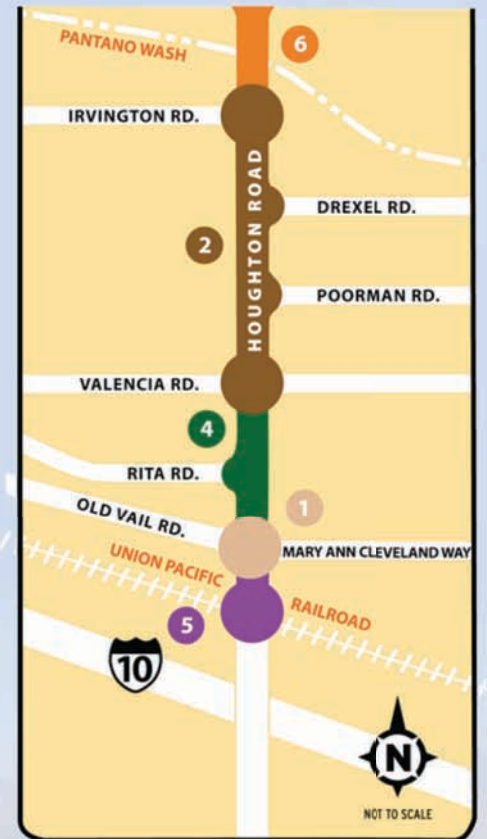
Project Description

Anticipated
Construction
Start

- | | | |
|---|---------------------------------------------------|------|
| 1 | Old Vail Road/Mary Ann Cleveland Way Intersection | 2009 |
| 2 | Irvington Road to Valencia Road | 2010 |
| 3 | Broadway Boulevard Intersection | 2011 |
| 4 | Valencia Road to Mary Ann Cleveland Way | 2011 |
| 5 | Union Pacific Railroad Bridge | 2012 |
| 6 | Escalante Road to Irvington Road | 2013 |
| 7 | Speedway Boulevard to Broadway Blvd. | 2014 |



Implementation

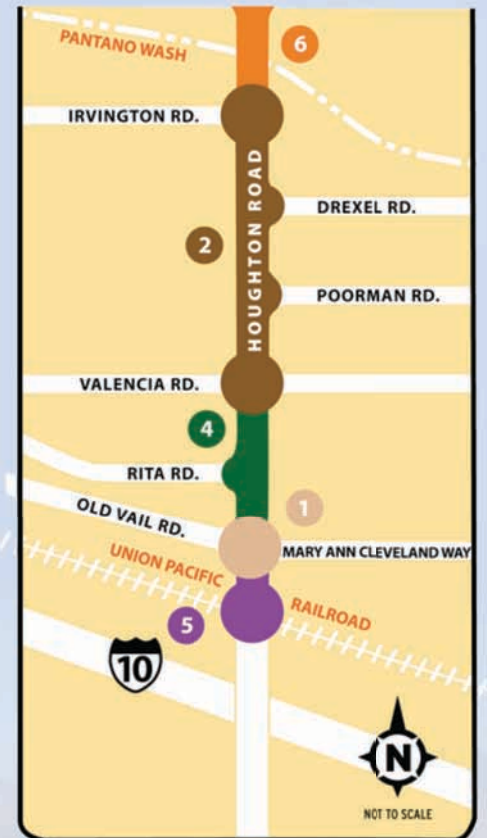


Project Description

	Anticipated Construction Start
1 Old Vail Road/Mary Ann Cleveland Way Intersection	2009
2 Irvington Road to Valencia Road	2010
3 Broadway Boulevard Intersection	2011
4 Valencia Road to Mary Ann Cleveland Way	2011
5 Union Pacific Railroad Bridge	2012
6 Escalante Road to Irvington Road	2013
7 Speedway Boulevard to Broadway Blvd.	2014
8 Broadway Boulevard to 22nd Street	2015



Implementation

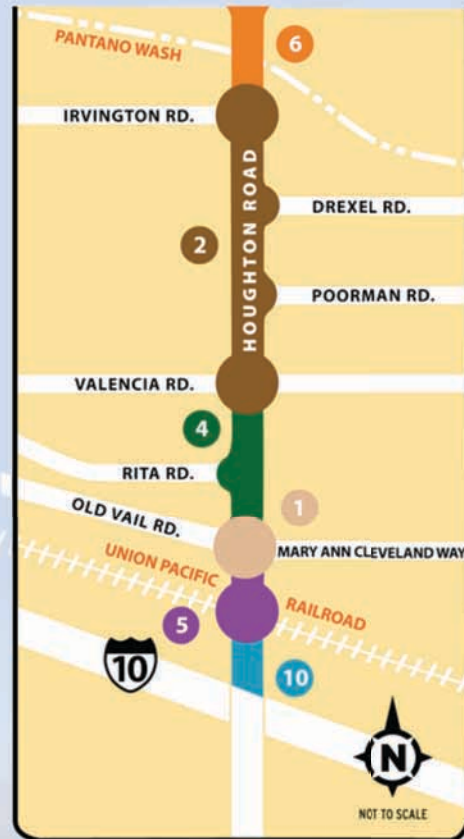


Project Description

	Anticipated Construction Start
1 Old Vail Road/Mary Ann Cleveland Way Intersection	2009
2 Irvington Road to Valencia Road	2010
3 Broadway Boulevard Intersection	2011
4 Valencia Road to Mary Ann Cleveland Way	2011
5 Union Pacific Railroad Bridge	2012
6 Escalante Road to Irvington Road	2013
7 Speedway Boulevard to Broadway Blvd.	2014
8 Broadway Boulevard to 22nd Street	2015
9 22nd Street to Escalante Road	2016



Implementation

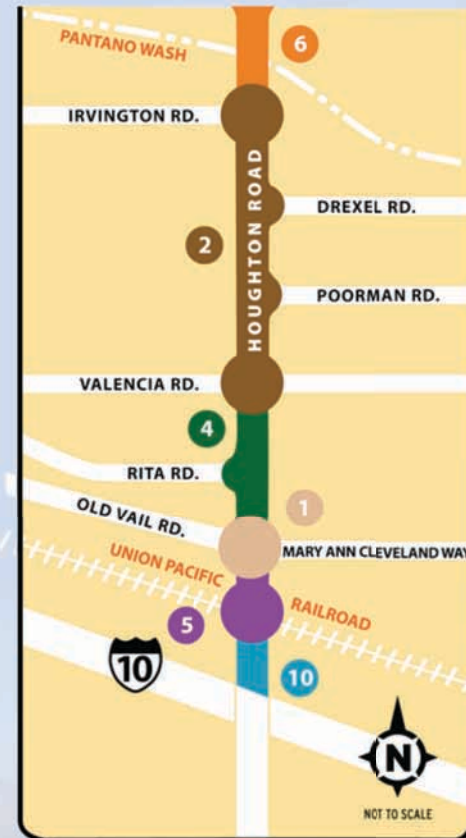


Project Description

	Anticipated Construction Start
1 Old Vail Road/Mary Ann Cleveland Way Intersection	2009
2 Irvington Road to Valencia Road	2010
3 Broadway Boulevard Intersection	2011
4 Valencia Road to Mary Ann Cleveland Way	2011
5 Union Pacific Railroad Bridge	2012
6 Escalante Road to Irvington Road	2013
7 Speedway Boulevard to Broadway Blvd.	2014
8 Broadway Boulevard to 22nd Street	2015
9 22nd Street to Escalante Road	2016
10 Union Pacific Railroad to I-10	2018



Implementation

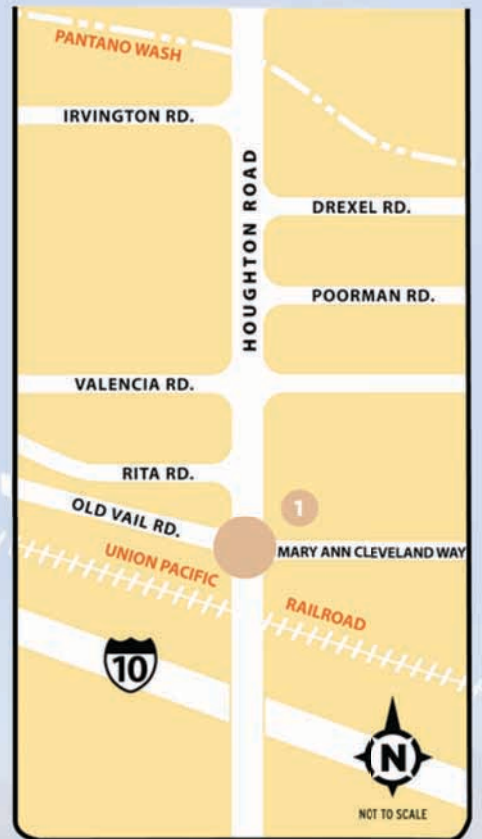
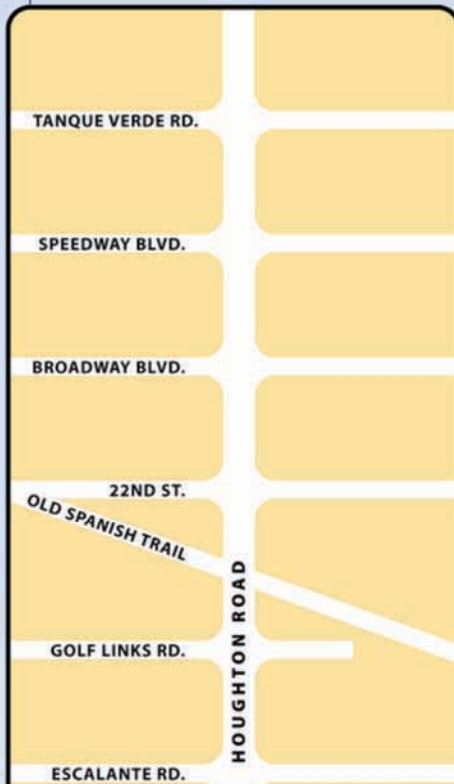


Project Description

	Anticipated Construction Start
1 Old Vail Road/Mary Ann Cleveland Way Intersection	2009
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3 Broadway Boulevard Intersection	2011
4 Valencia Road to Mary Ann Cleveland Way	2011
5 Union Pacific Railroad Bridge	2012
6 Escalante Road to Irvington Road	2013
7 Speedway Boulevard to Broadway Blvd.	2014
8 Broadway Boulevard to 22nd Street	2015
9 22nd Street to Escalante Road	2016
10 Union Pacific Railroad to I-10	2018
11 Tanque Verde Road to Speedway Blvd.	2019



Construction



Project Description

Anticipated
Construction
Start

- 1 Old Vail Road/Mary Ann Cleveland Way Intersection

2009



**Desert Crossings
at
Rita Ranch**

Old Vail Rd

EXISTING ROADWAY

**Empire
High
School**

Mary Ann Cleveland Way

Houghton Road

U.P.R.R.

**Houghton Road
at
Old Vail Road &
Mary Ann
Cleveland Way
Intersection**



Legend:



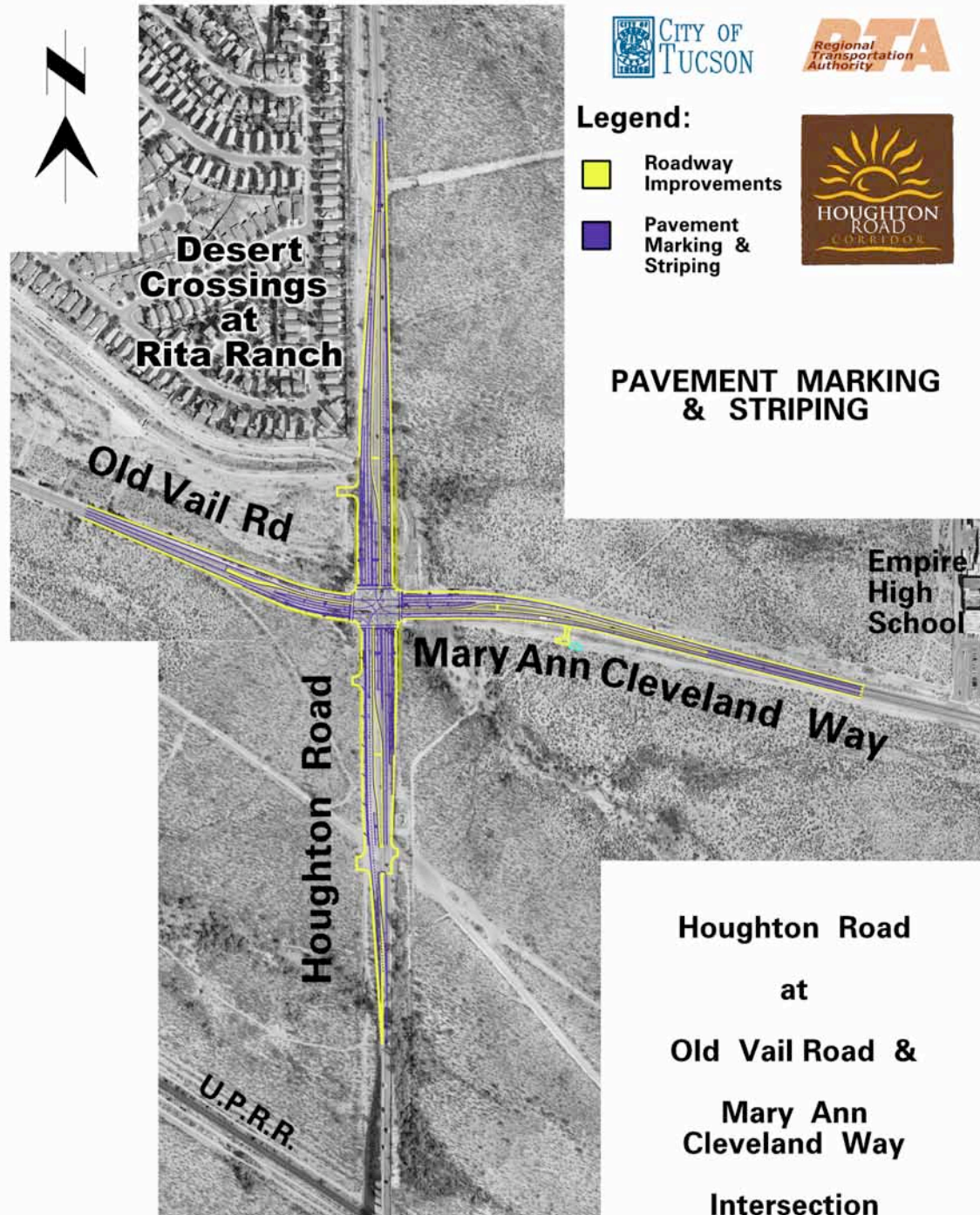
Roadway
Improvements



**ROADWAY
IMPROVEMENTS**

**Houghton Road
at
Old Vail Road &
Mary Ann
Cleveland Way
Intersection**

**Empire
High
School**



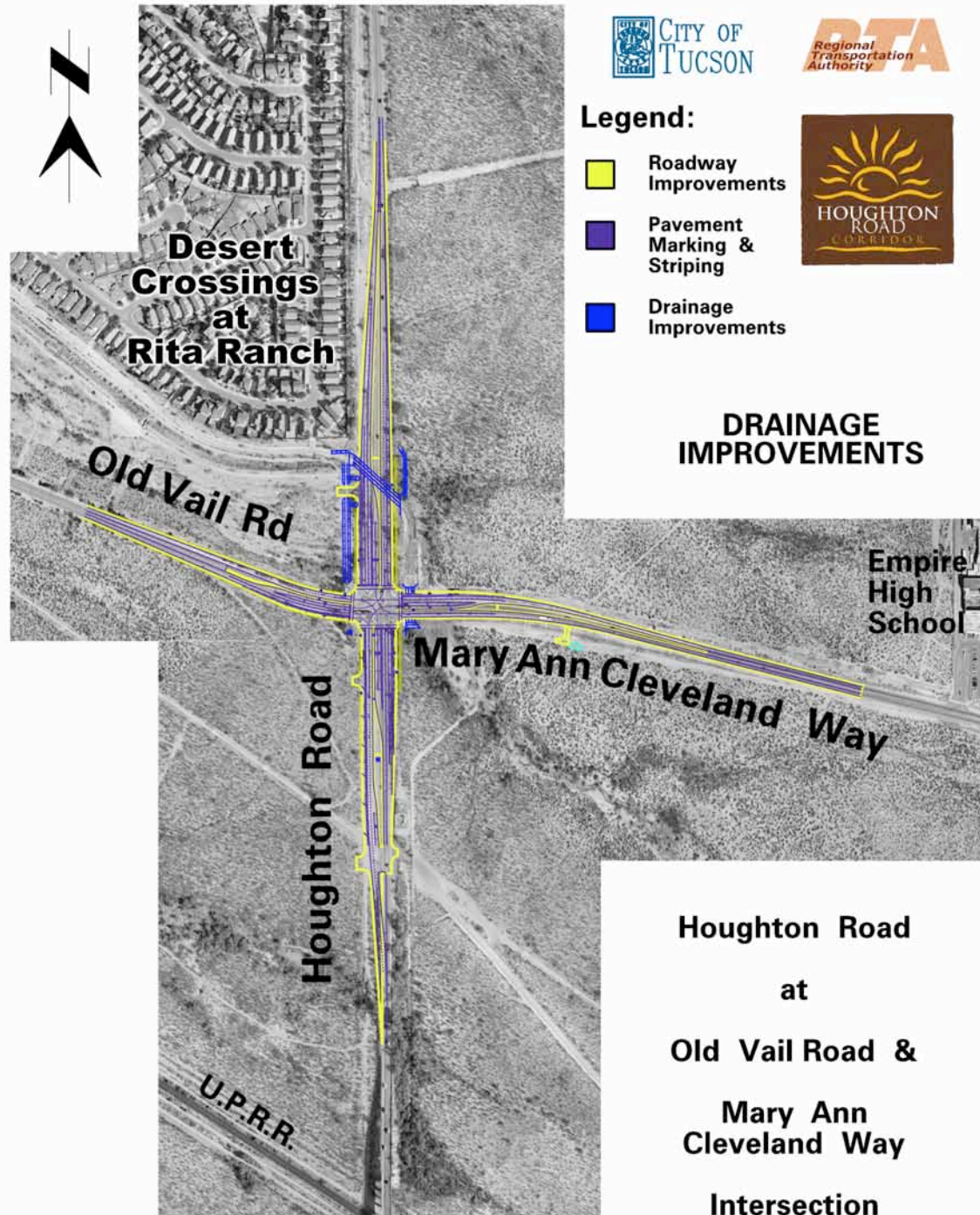
Legend:

-  Roadway Improvements
-  Pavement Marking & Striping



PAVEMENT MARKING & STRIPING

Houghton Road
at
Old Vail Road &
Mary Ann
Cleveland Way
Intersection



at
Rita Ranch

Old Vail Rd

on Road

Mary Ann Cle

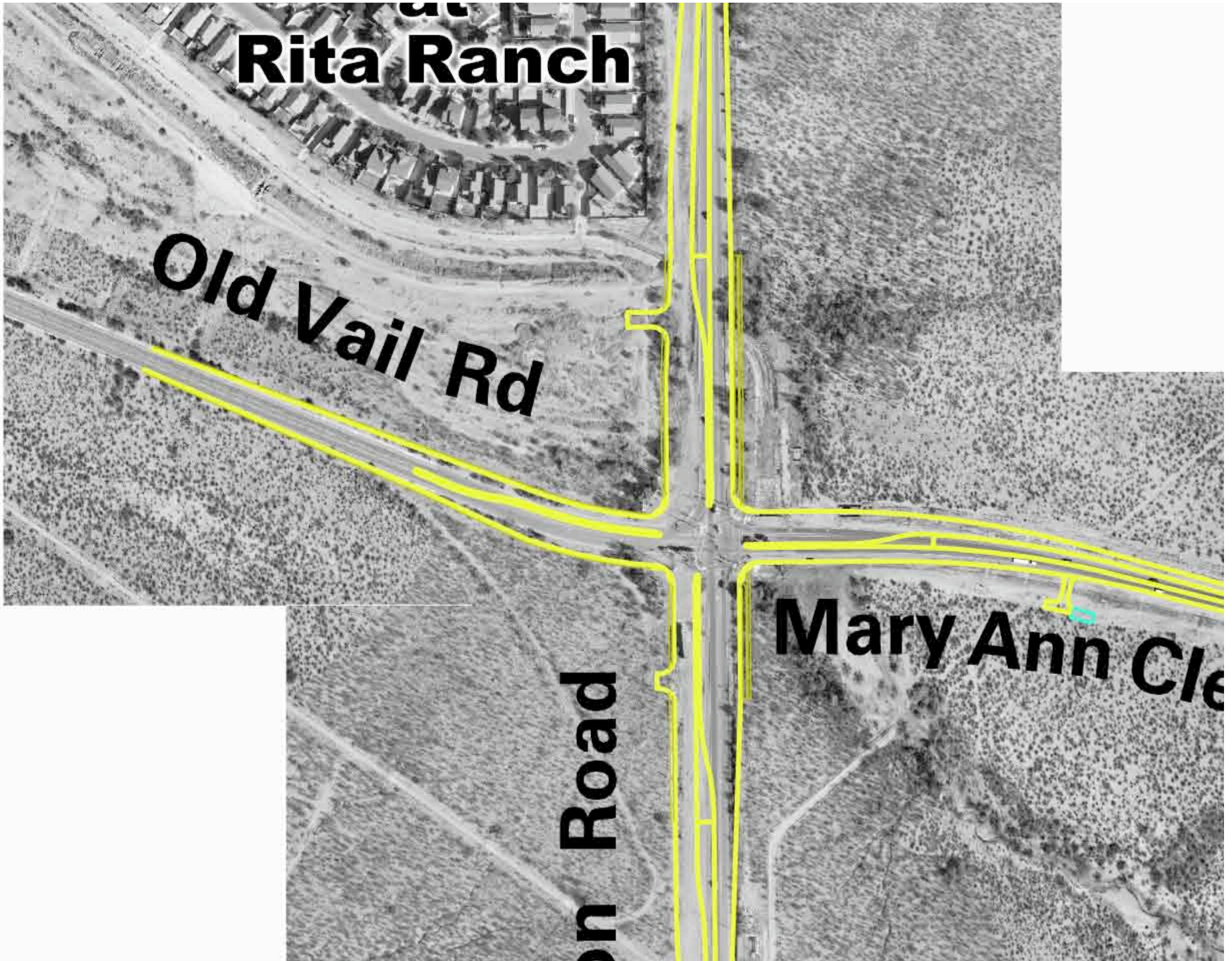
EX

Rita Ranch

Old Vail Rd

on Road

Mary Ann Cle



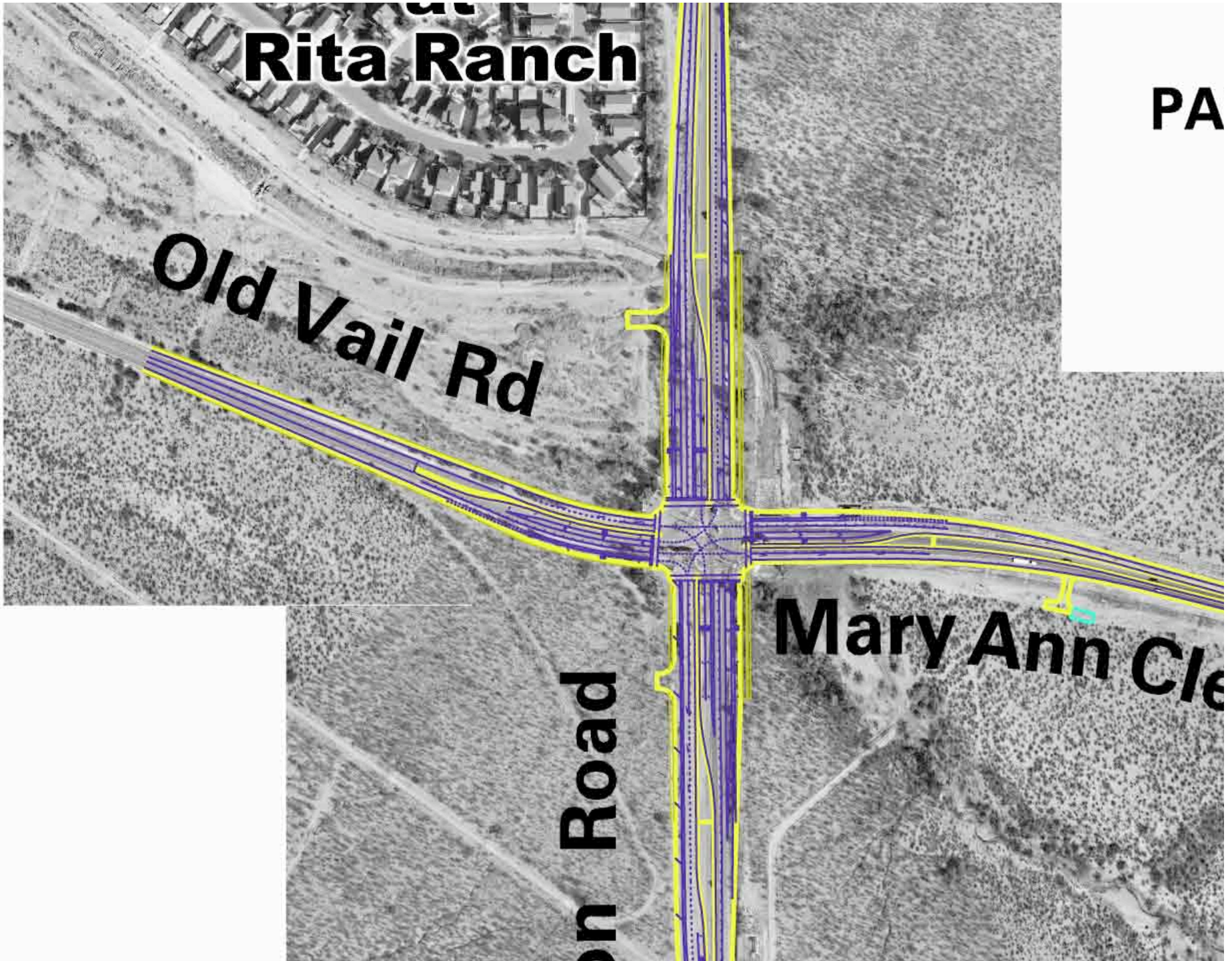
Rita Ranch

PA

Old Vail Rd

on Road

Mary Ann Cle

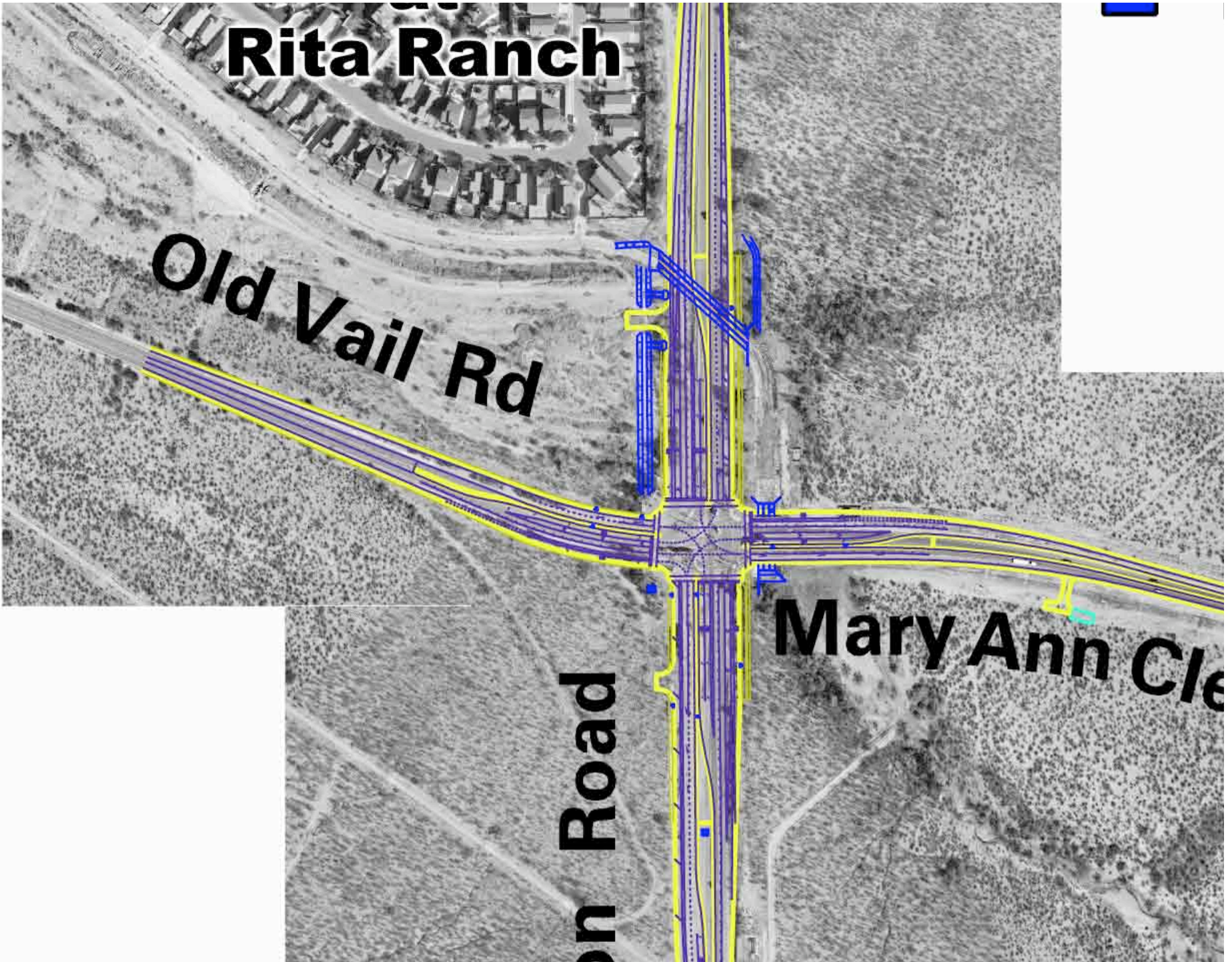


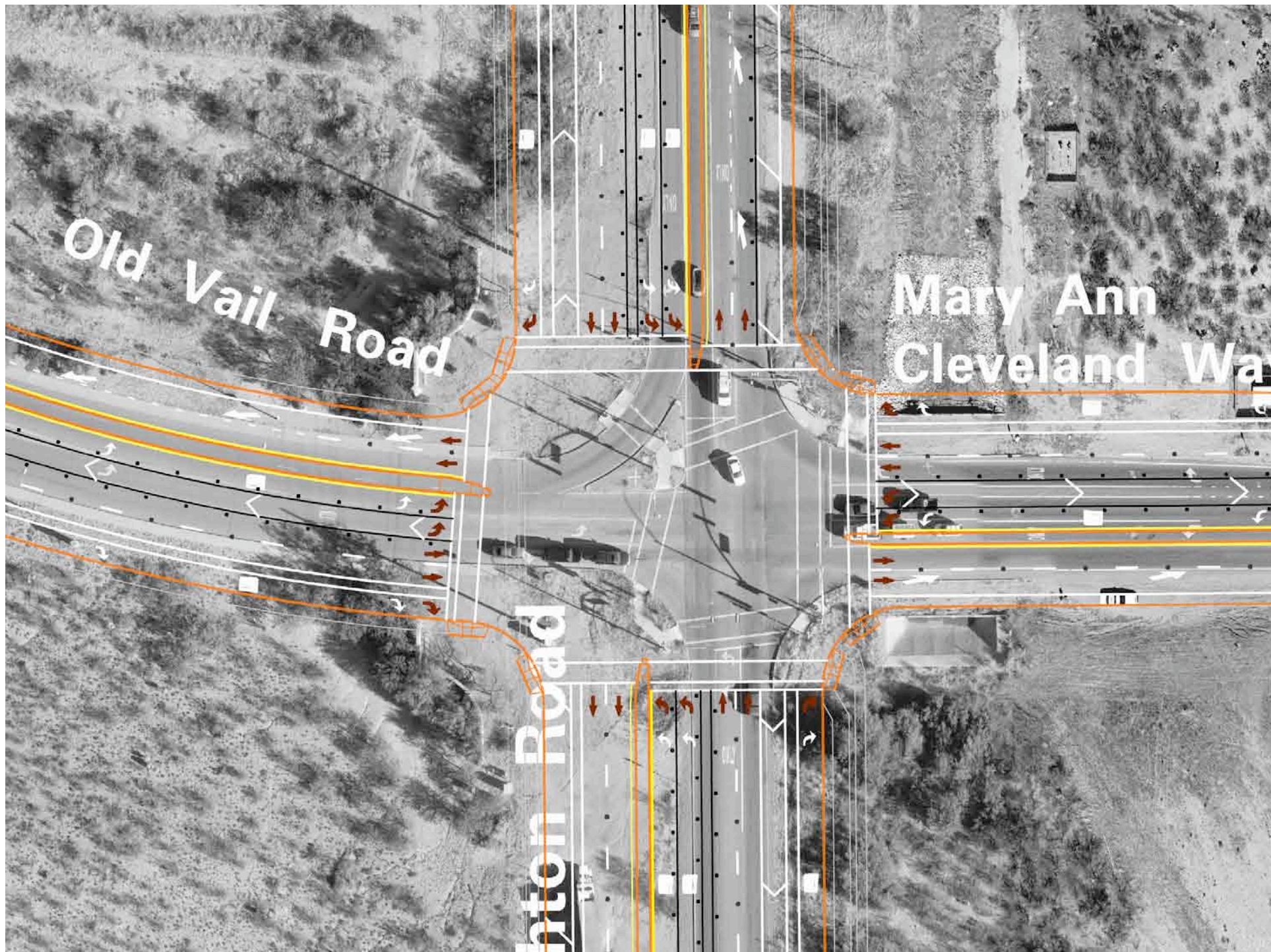
Rita Ranch

Old Vail Rd

on Road

Mary Ann Cle







Construction Schedule

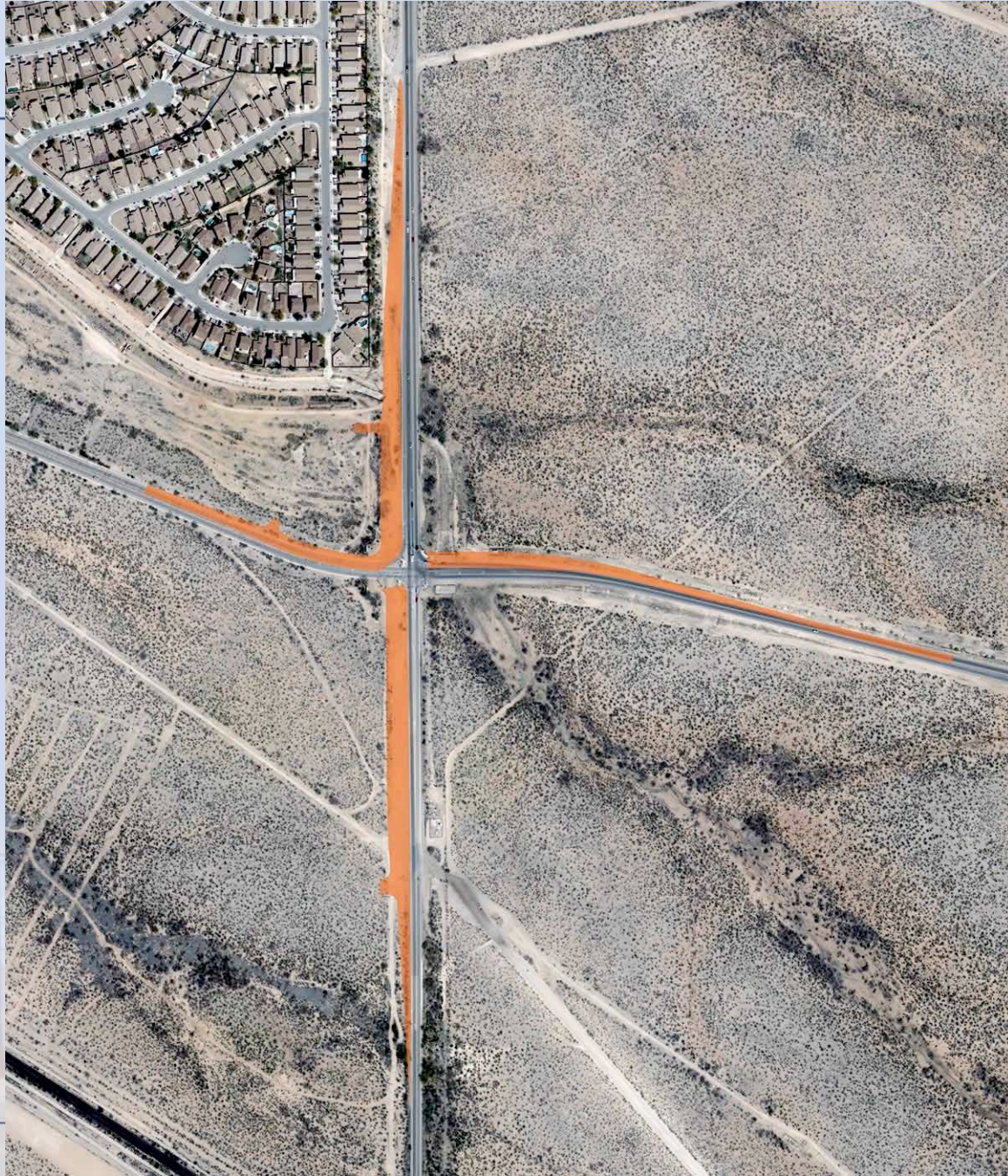
- Construction is estimated to take 6 to 8 months.
- Construction start is still dependant on utility relocations, State Land acquisition, and environmental clearances.
- We estimate utility work will begin at the beginning of April and construction will be in full gear by June.

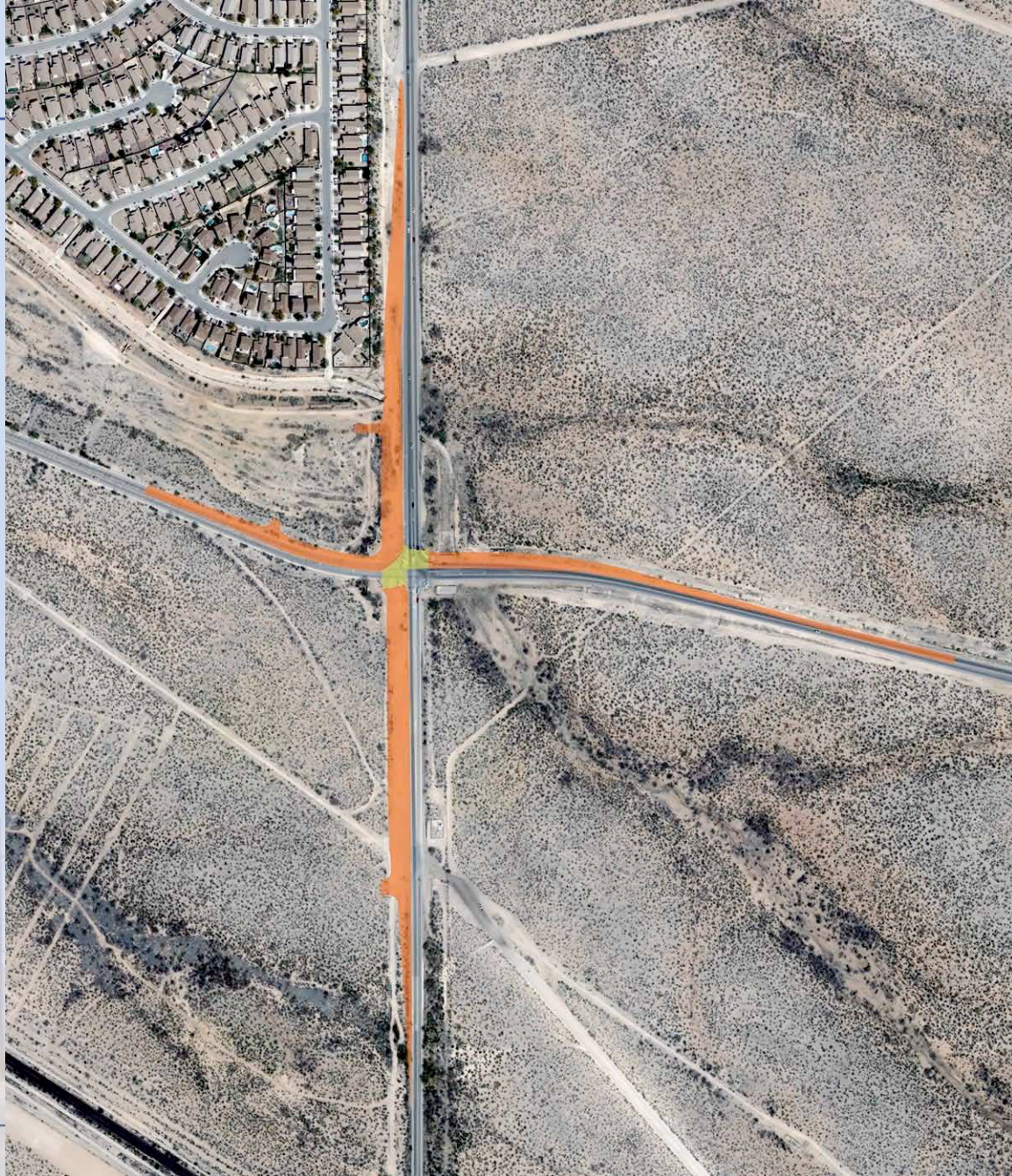


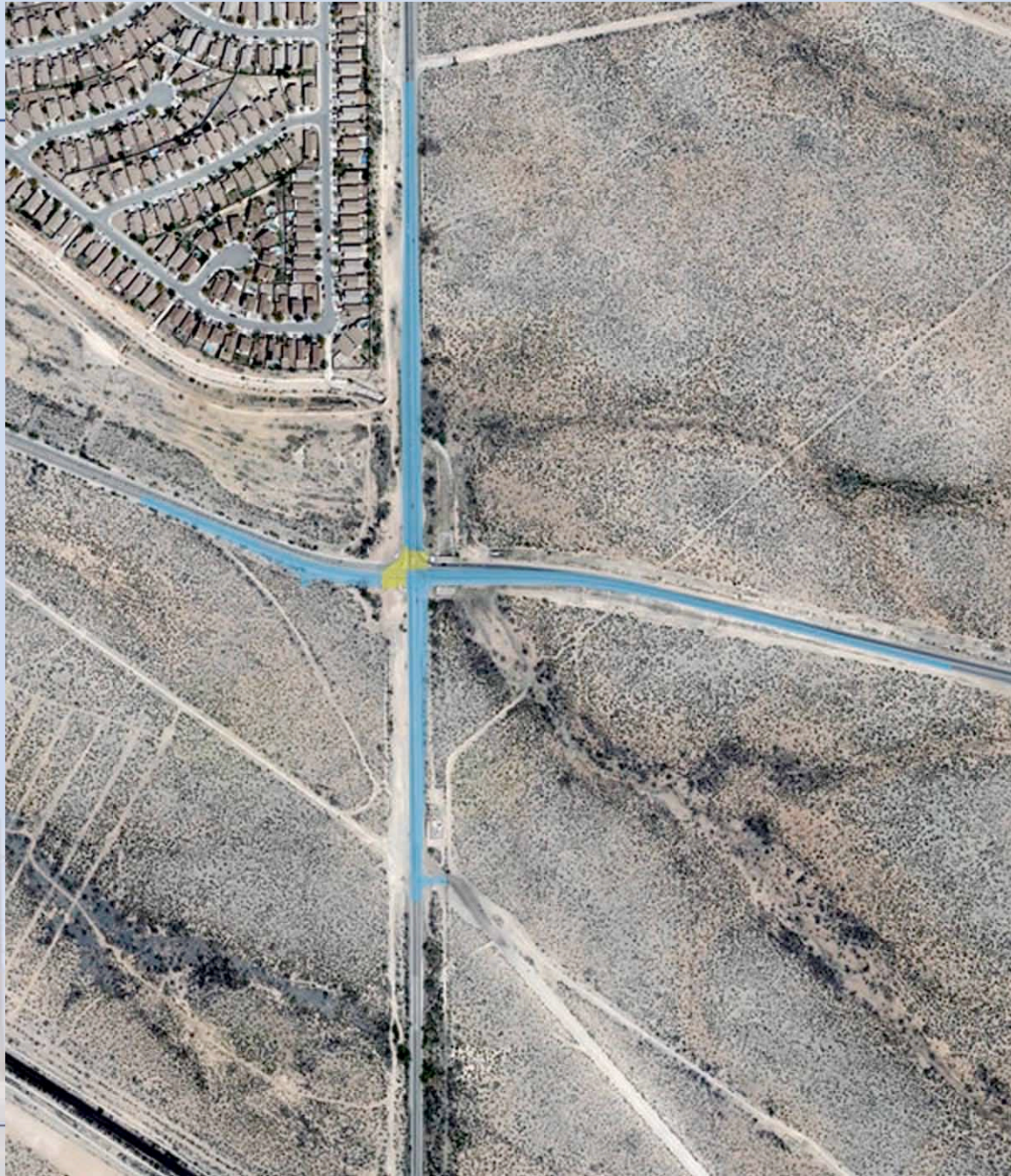


Construction Phasing

- Phase I
 - Utility work
 - Storm drain installation
 - West half of box culvert, removals, earthwork, curb, ABC and base paving
- Phase II
 - East side removals, earthwork
 - East half box culvert, ABC and base paving
- Phase III
 - Final Pavement Lift
 - – Striping and signage









Construction of Intersection

Design Consultant- EEC

Contractor- Borderland

CONTACTS

- M.J. Dillard, COT Design Project Manager 837-6616 or mj.dillard@tucsonaz.gov
- Melissa Benton, Gordley Design 327-6077
- **During construction**
 - First point of contact: Jesse Gutierrez, COT Construction Project Manager 837-6627
 - For immediate construction problems: Mike Dauer, 623-0900 or 405-5613, Superintendent for Borderland Construction; (Steve Shepherd, 623-0900 or 730-9481; or Andy North, 623-0900 or 405-7069)

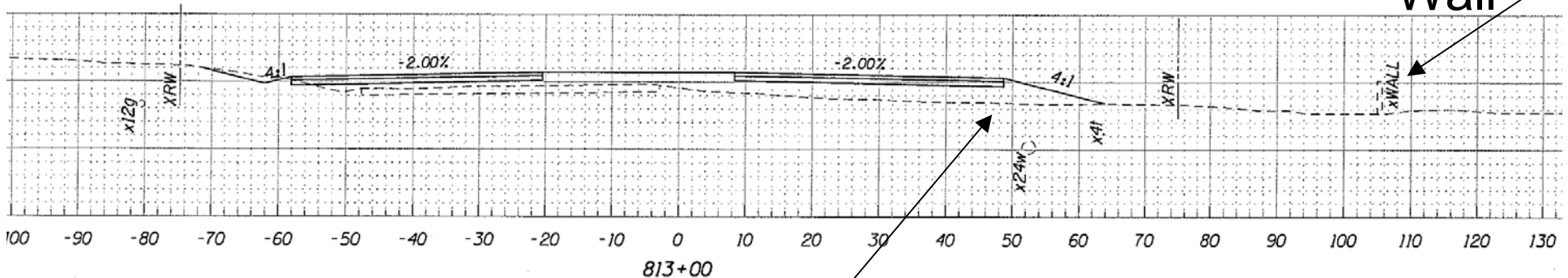
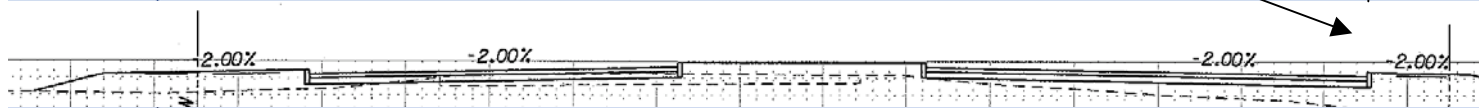


Cross Section at Rita Ranch

After final construction of roadway

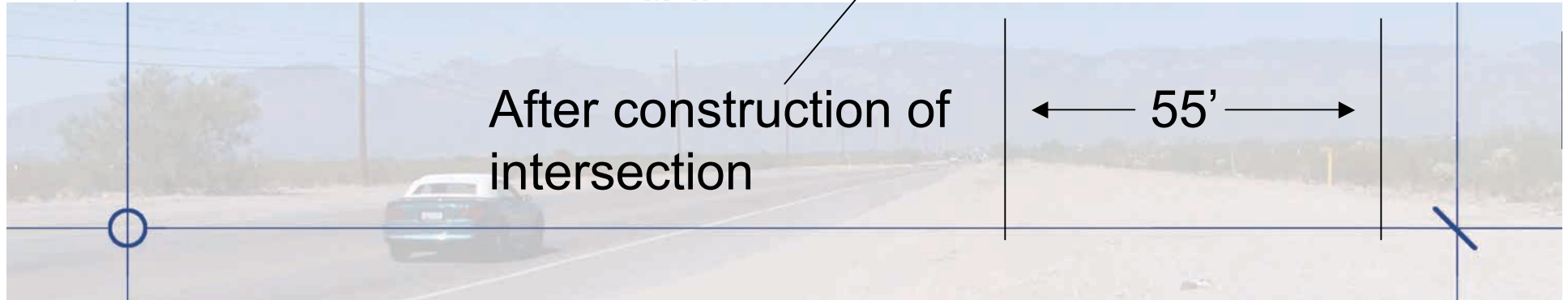
← 40' →

Rita Ranch Wall



After construction of intersection

← 55' →





Q&A

